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Attorney Docket No. 1832K US

WHAT IS CLAIMED IS:

1. (Currently Amended) A fluid connector apparatus adapted for use with a compression apparatus, the fluid connector apparatus comprising:

5 a pressurized fluid source;

a controller, the controller further comprising instructions providing a timed sequence of the pressurized fluid to a compression sleeve attached to a second connector;

10 ~~a first connector and a second connector, the fluid connector apparatus further having a first position and a second position, both positions allow for fluid flow therethrough a fluid orifice located at the first connector;~~

15 ~~the second connector is releasably attached to the first connector, at a proximal end of the orifice of the first connector, wherein the fluid orifice further includes a single valve disposed in the fluid orifice;~~

20 ~~in the first position the single valve is in a substantially open position by the second connector, the pressurized fluid source delivers a pressurized fluid through the valve for allowing fluid flow from the compression apparatus~~

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to the compression sleeve in fluid communication with the fluid orifice; and

in the second position the second connector is detached from the first connector, the single valve advances in a proximal direction to a closed position in the fluid orifice, the pressurized fluid source continues to deliver the fluid through the single valve, when the valve substantially reduces ing but does not close ing the fluid orifice to fluid flow therethrough for approximating the pneumatic behavior of the detached compression sleeve at the second connector.

2. through 6 (Canceled)

7. (Previously Presented) The fluid connector apparatus according to claim 1 wherein said first connector includes a cap portion disposed therein and said valve engages said cap portion for limiting the travel of the valve.

8. (Canceled)

9. (Previously Presented) The fluid connector apparatus according to claim 1 wherein said second connector includes a locking arm extending therefrom such that said locking arm is adapted to releasably retain said first connector with said second connector.

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10. (Previously Presented) The fluid connector apparatus according to claim 9 wherein said first connector includes a slot for engaging said locking arm.

11. (Canceled)

5 12. (Previously Presented) The fluid connector apparatus according to claim 1, wherein said second connector includes an engagement portion extending therefrom and said valve is displaced by said engagement portion when said second connector is mated to said first connector.

10 13. through 20. (Canceled)

15 21. (Previously Presented) The fluid connector apparatus according to claim 1, wherein the valve has a biasing member comprising at least one of the following: a spring, a plastic cantilever spring arm, and a elastometric material forming a gasket.

22. (Previously Presented) The fluid connector apparatus according to claim 21, wherein the valve is biased substantially open in the first position.

20 23. (Previously Presented) The fluid connector apparatus according to claim 1, wherein at least one of the orifice and the valve has a slot therein.

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24. (Previously Presented) The fluid connector apparatus according to claim 1, wherein the valve further includes a plunger and a valve seat having at least one slot.

25. (Withdrawn) A method of operating the fluid compression apparatus of claim 1 to approximate the pneumatic behavior of the detached compression sleeve at the second connector comprising:

disconnecting the second connector from the first connector wherein the valve further comprises a slot therethrough at least 10 at one of the orifice and the valve for fluid flow therethrough.